

16 January 1956

Engineering Report No. 20

Prepared by: WAS

Surveyor: ETE

Abstract:

A line was laid out [] running from the N.E. corner of the 25X1 E hangar to the center of the target circles on the lake.

Direction N 5° W, Compass

Length 10,761 +/- 1 ft.

1. Purpose:

To Survey an accurate line for determination of photographic scale.

2. Location: [] 25X1

3. Equipment:

3.1 Chain: Lufkin 200' Standard Steel tape.

Temperature coefficient: 0.000 0645 ft/^oF Deviation from 68^oF.

3.2 Transit: Berger and Sons.

4. Conditions:

4.1 Compass N 5° W. Transit used to line every point and chain length. Line error less than 1/2 ft. at any point.

4.2 Approximate temperature.

2 P.M. 55° F

3:45 P.M. 45° F

4:30 P.M. 40° F

4.3 Chain Tension: 15 lbs., measured by spring balance.

4.4 Compass Declination: Approximately 16° 30' Easterly.

5. Temperature Correction:

Max. correction = 0.000 0645 (68-40) = 0.000 18 ft.

NOT SIGNIFICANT

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6. Traverse Data:

Traverse		#1		#2		
Date		13 January 1956			14 January 1956	
Time Start		2:30 P.M.			2:00 P.M.	
Time Stop		4:45 P.M.			3:45 P.M.	
Point	Elevation	Chain	Distance	Chain	Distance	Corrected Distance
Point 1	+ 5' Approx.	0 Start. 2.0 10 chains 2.82	2004.82	10 chains + 4.90	2004.90	2004.86
Point 2	0	10 chains	2000.00	10 chains + .09	2000.09	2000.04
Point 3	0	10 chains	2000	10 chains	2000	2000
Point 4	0	10 chains	2000	10 chains + .12	2000.12	2000.06
Point 5	0	10 chains	2000			
Point 6	0			13 chains + 156.11	2756.11	2756.17
Point 7	0 Datum	756.23	756.23	0 Start		
			10,761.05		10,761.22	10,761.13
7. True Distance: 10,761 + 1 ft.						

ITEM NO. 8 - PLOT PLAN

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25X1

TRUE
NORTHMAGNETIC
NORTH